

## CLAIMS:

1. A personal audio system (100) comprising a remotely controllable device (110) and a controller (120) for remotely controlling the device (110) by sending a control signal (130) to the device (110), the controller (120) having an outer surface (121) with a touch-sensitive area (122), the controller (120) being arranged to be substantially worn in or  
5 by a human ear (150), the controller (120) being further arranged to detect the touch-sensitive area (122) being touched, and to send the control signal (130) in response to detecting the touch-sensitive area (122) being touched.
2. A personal audio system (100) as claimed in claim 1, characterized in that the  
10 controller (120) is arranged to fit substantially in a human ear (150) concha (160), such that the area is accessible for touching when the controller (120) is fitted substantially in the concha (160).
3. A personal audio system (100) as claimed in claim 1, characterized in that the  
15 controller (120) is arranged to detect a temporal pattern in the touch-sensitive area (122) being touched, and to send the control signal (130) in response to detecting the temporal pattern.
4. A personal audio system (100) as claimed in claim 3, characterized in that the  
20 outer surface (121) has a further touch-sensitive area (123), such that the further touch-sensitive area (123) is touched substantially by the ear (150) when the controller (120) is substantially worn in or by a human ear (150), the controller (120) being arranged to send the control signal (130) only if the further touch-sensitive area (123) is touched.
- 25 5. A personal audio system (100) as claimed in claim 4, characterized in that the controller (120) is arranged to send a further control signal (131) to the device (110) if the further touch-sensitive area (123) is touched.

6. A personal audio system (100) as claimed in claim 4, characterized in that the system (100) comprises a second controller (120) for remotely controlling the device (110) by sending a further control signal (131) to the device (110), the second controller (120) having an outer surface (121) with a further touch-sensitive area (123), the second controller (120) being arranged to be substantially worn in or by a human ear (150), and the second controller (120) being further arranged to detect a further temporal pattern in the further touch-sensitive area (123) being touched, and to send the further control signal (131) in response to detecting the further temporal pattern.
- 10 7. A controller (120) for remotely controlling a personal audio device (110) by sending a control signal (130) to the device (110), the controller (120) having an outer surface (121) with a touch-sensitive area (122), the controller (120) being arranged to be substantially worn in or by a human ear (150), the controller (120) being further arranged to detect the touch-sensitive area (122) being touched, and to send the control signal (130) in response to detecting the touch-sensitive area (122) being touched.
- 15 8. A personal audio device (110) which is remotely controllable by a controller (120), the controller (120) having an outer surface (121) with a touch-sensitive area (122), the device (110) being arranged to detect the area being touched, and to activate a function of the device (110) in response to detecting the area being touched.
- 20 9. A method for remote control of a personal audio device (110), the method comprising the steps of:
- wearing a controller (120) substantially in or by a human ear (150);
  - 25 - detecting a touch-sensitive area (122) of the controller (120) being touched;
  - and
  - sending a control signal (130) to the device (110) in response to detecting the area being touched.